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54 **Drug delivery system involving interaction between protein or polypeptide and hydrophobic biodegradable polymer.**

57 A drug delivery system for controlled release of a protein or polypeptide comprising a hydrophobic biodegradable polymer and a protein or polypeptide. A physical interaction is present between the polymer and the protein or polypeptide, thus, allowing protection and controlled release of the protein or polypeptide in-vivo. The drug delivery system may be prepared by a polymer precipitation technique or a microsphere technique.

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# EUROPEAN SEARCH REPORT

Application Number

EP 91 11 2118

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X,P	US-A-5 008 116 (F. CAHN) * claims 1-11 *	1-3,7-9
X,P	WO-A-9 106 286 (ENZYTECH INC.) * page 13, line 3 - line 19; claims 1-45; example 1 *	1,4,7,10,12
X	WO-A-8 809 664 (MASSACHUSETTS INSTITUTE OF TECHNOLOGY) * page 5, line 16 - page 6, line 20; claims 1-14 *	1,4,7,10
X	EP-A-0 058 481 (IMPERIAL CHEMICAL INDUSTRIES PLC) * page 5, line 25 - line 30 * * page 6, line 25 - page 8, line 31 * * claims 1-23; examples 31-32,34 *	1-13,24-28
Y	EP-A-0 330 180 (BIOMATERIALS UNIVERSE INC.) * page 3, line 46 - line 56; claims 1-9 *	1-29
Y,D	US-A-4 818 542 (P. P. DELUCA ET AL) * column 2, line 51 - line 68; claims 1-25 *	1-29
A	EP-A-0 245 820 (THE UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION) * abstract *	1-29
D	& US-A-4 741 872	
The present search report has been drawn up for all claims		
Place of search	Date of completion of the search	Examiner
BERLIN	30 NOVEMBER 1993	SIATOU E.
CATEGORY OF CITED DOCUMENTS		
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date. D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document		